

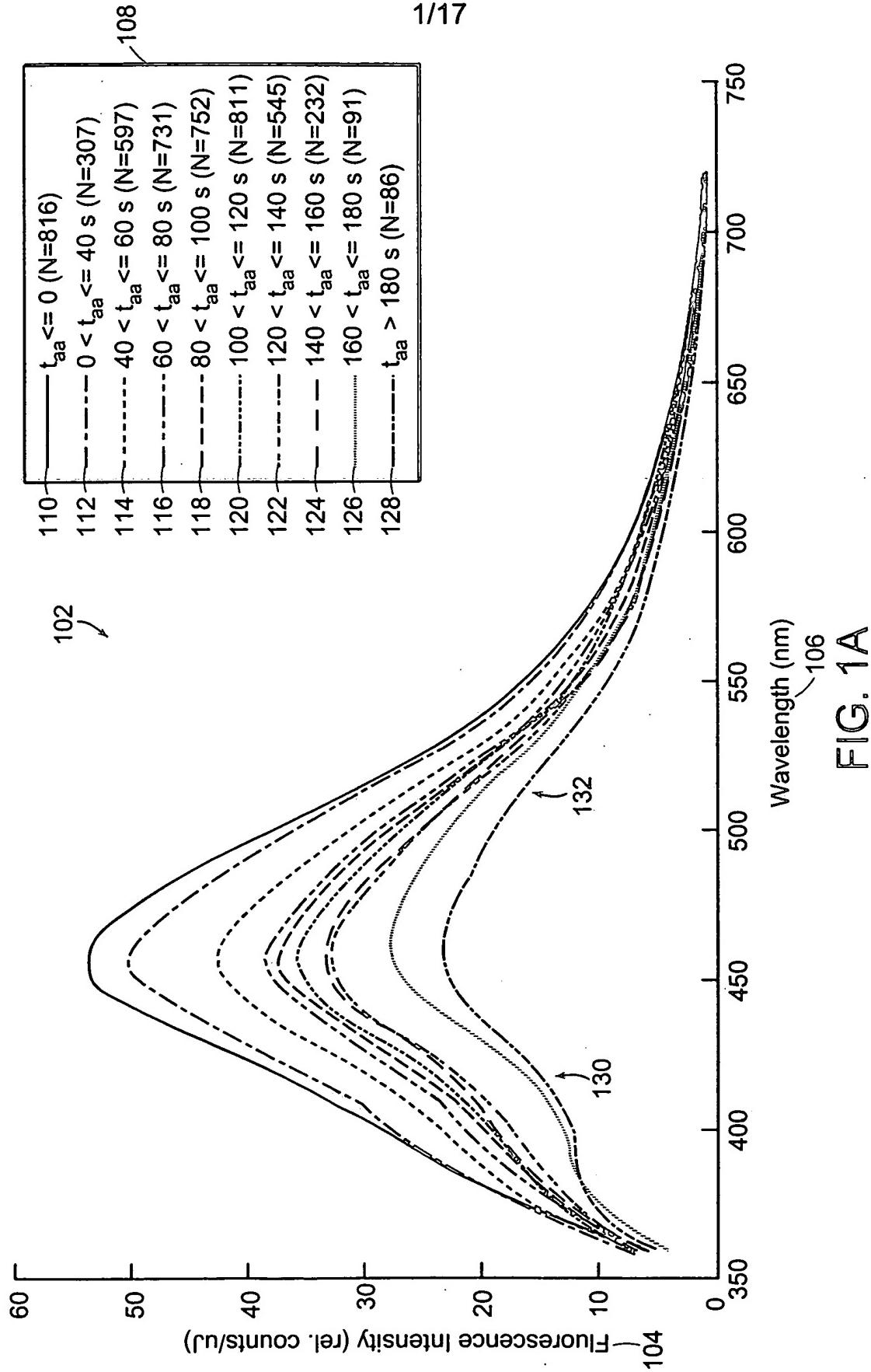
## Title: Optimal Windows for Obtaining Optical Data for Characterization of Tissue Samples

Inventors: Schomacker et al.  
Serial No.: Not yet assigned Filed: 4/21/04  
Attorney Docket No. MDS-034DV (6219/31)  
Atty: William R. Haulbrook, Ph.D.

Express Mail Mailing  
Label No. EL988705276US

Title: Optimal Windows for Obtaining Optical Images  
for Characterization of Tissue Samples  
Inventors: Schomacker et al.  
Serial No.: 10/295,794  
Atty. Docket No.: MDS-034  
Atty.: William R. Haulbrook, Ph.D.  
SHEET 1 OF 17

1/17



Title: Optimal Windows for Obtaining Optical Data for  
Characterization of Tissue Samples  
Inventors: Schomacker et al.  
Serial No.: Not yet assigned Filed: 4/21/04  
Attorney Docket No. MDS-034DV (621931)  
Atty: William R. Haulbrook, Ph.D.  
Sheet 2 of 17

Express Mail Mailing  
Label No. EL988705276US

for Characterization of Tissue Samples  
Inventors: Schomacker et al.  
Serial No.: 10/295,794  
Atty. Docket No.: MDS-034  
Atty.: William R. Haulbrook, Ph.D.  
SHEET 2 OF 17

2/17

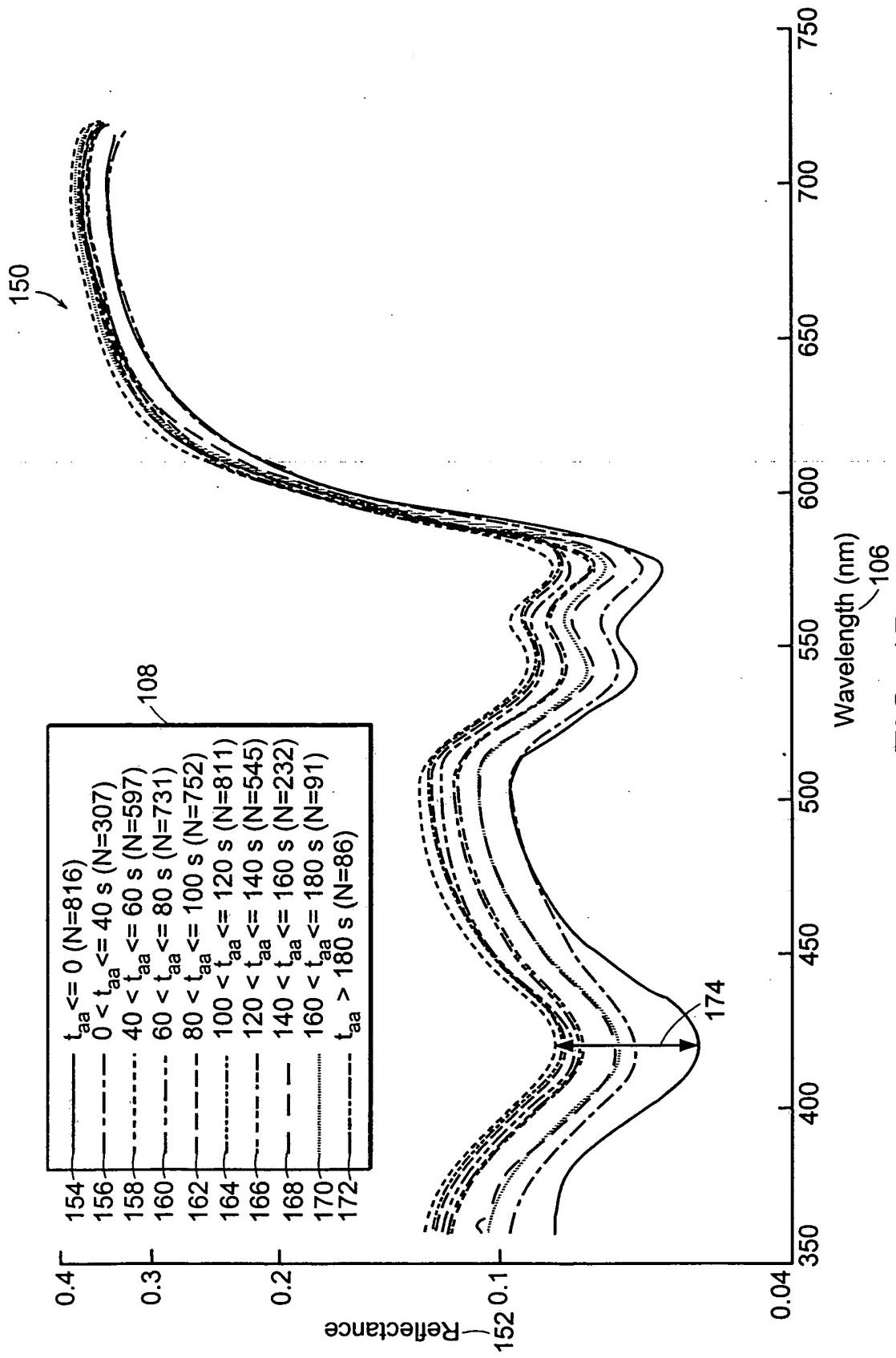


FIG. 1B

Express Mail Mailing  
Label No. EL988705276US

for Characterization of Tissue Samples  
Inventors: Schomacker et al.  
Serial No.: 10/295,794  
Atty. Docket No.: MDS-034  
Atty.: William R. Haulbrook, Ph.D.  
SHEET 3 OF 17

3/17

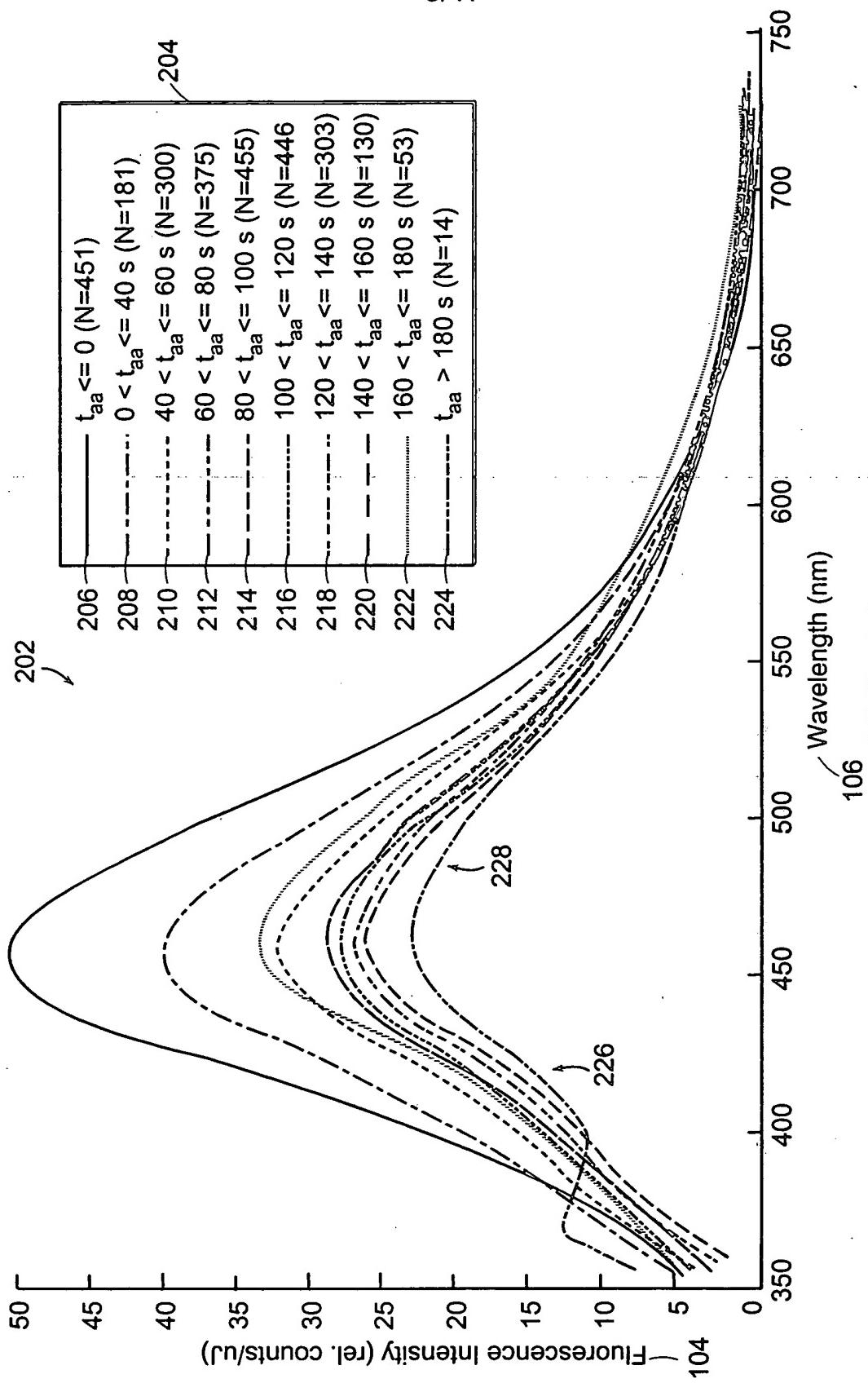


FIG. 2A

Title: Optimal Windows for Obtaining Optical Data for Characterization of Tissue Samples  
 Inventors: Schomacker et al.  
 Serial No.: Not yet assigned Filed: 4/21/04  
 Attorney Docket No. MDS-034DV (6219/31)  
 Atty: William R. Haulbrook, Ph.D.  
 Sheet 4 of 17

Express Mail Mailing  
 Label No. EL988705276US

for Characterization of Tissue Samples  
 Inventors: Schomacker et al.  
 Serial No.: 10/295,794  
 Atty. Docket No.: MDS-034  
 Atty.: William R. Haulbrook, Ph.D.  
 SHEET 4 OF 17

4/17

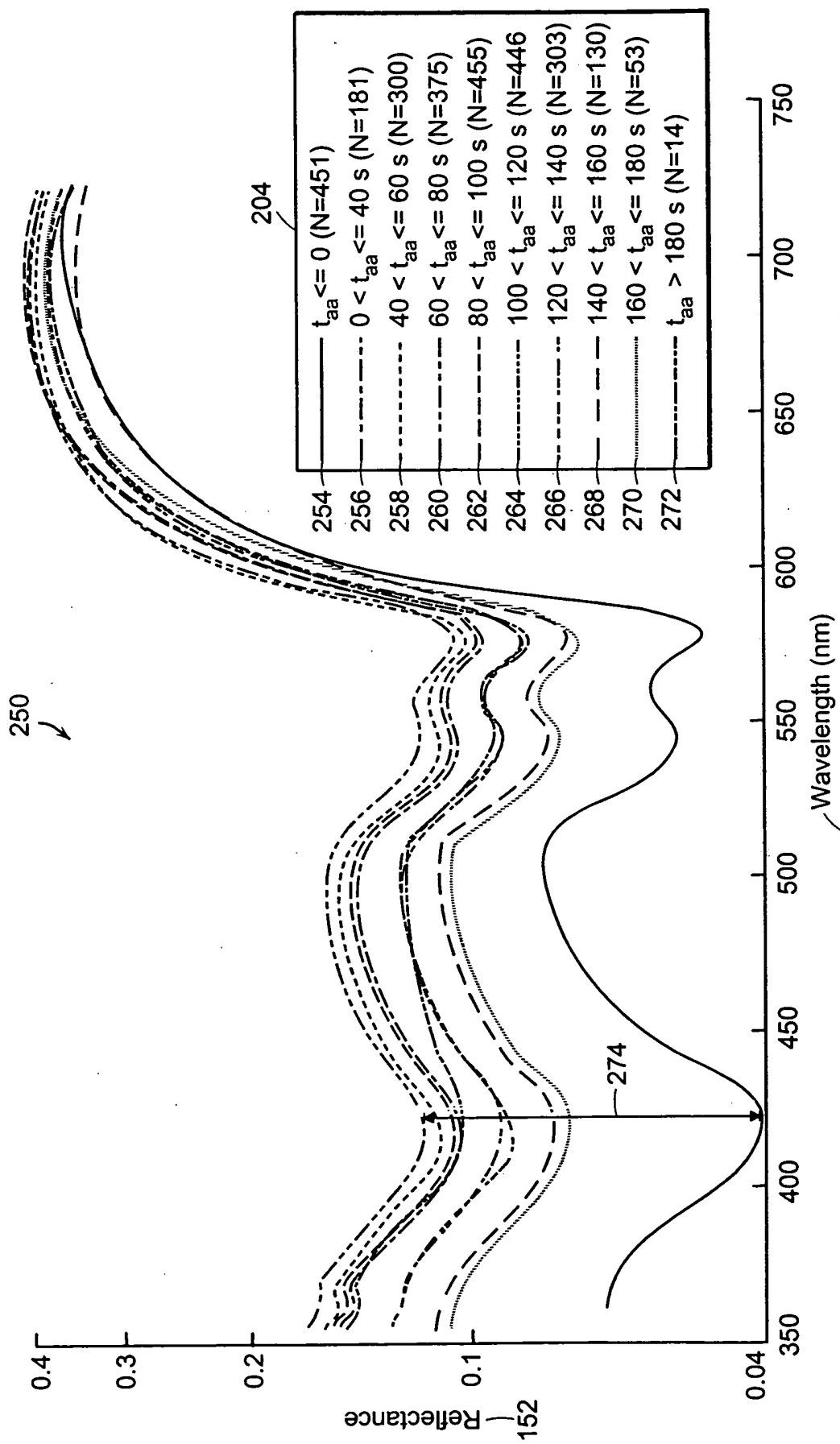


FIG. 2B

5/17

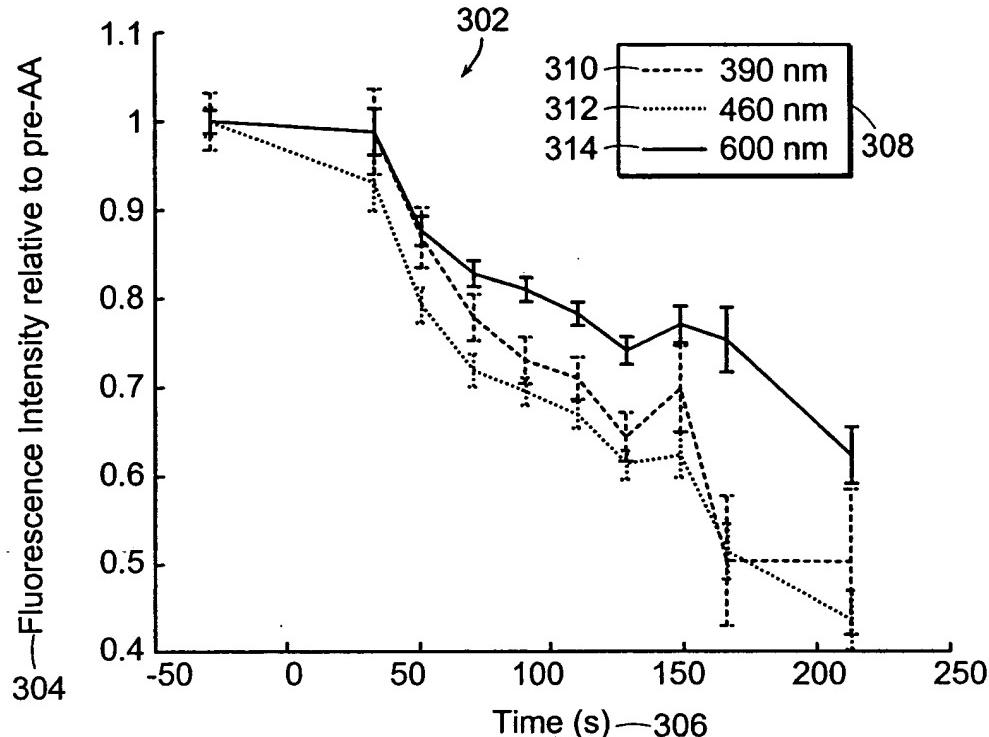


FIG. 3A

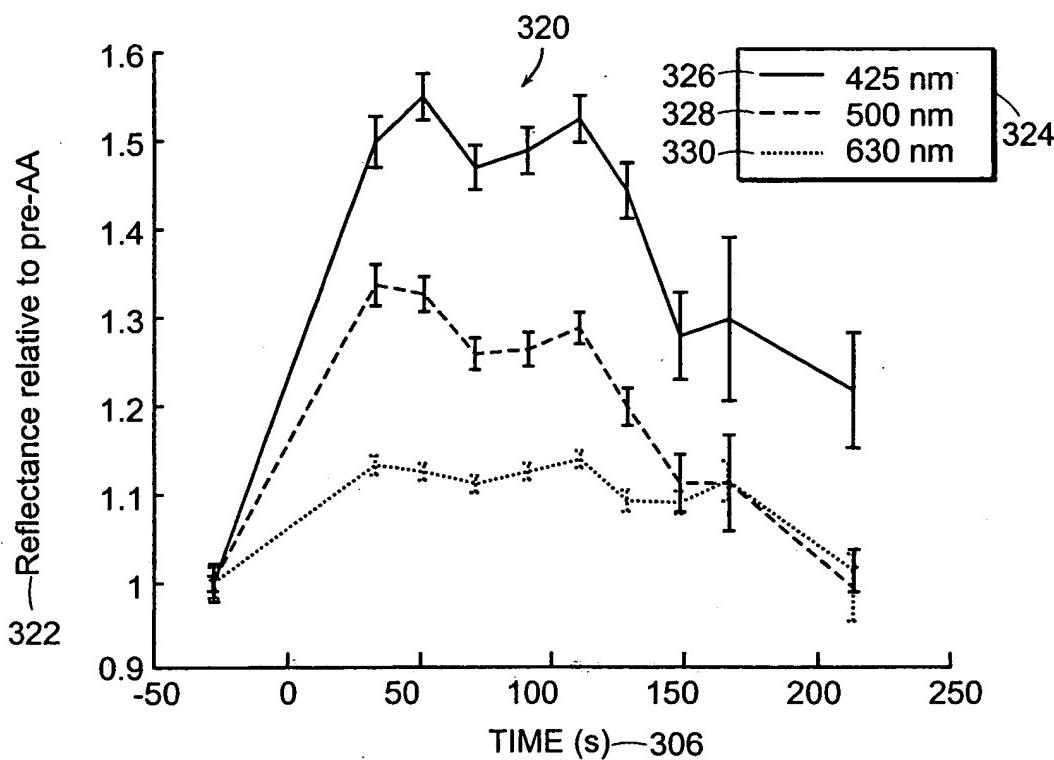


FIG. 3B

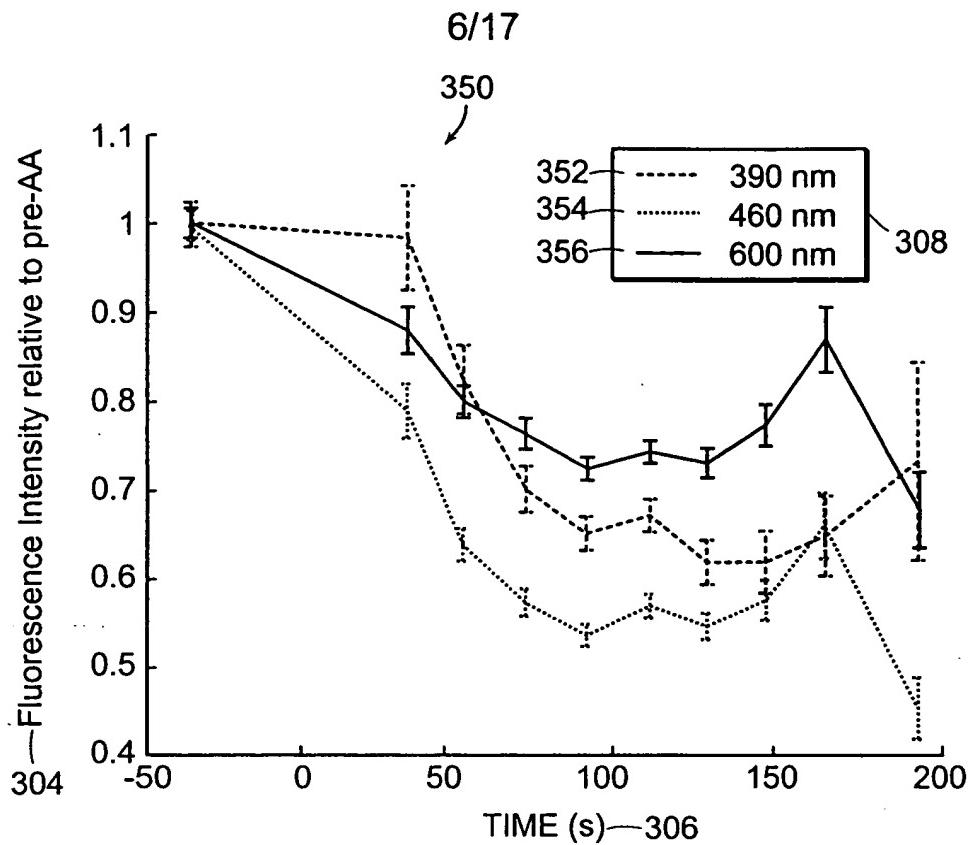


FIG. 3C

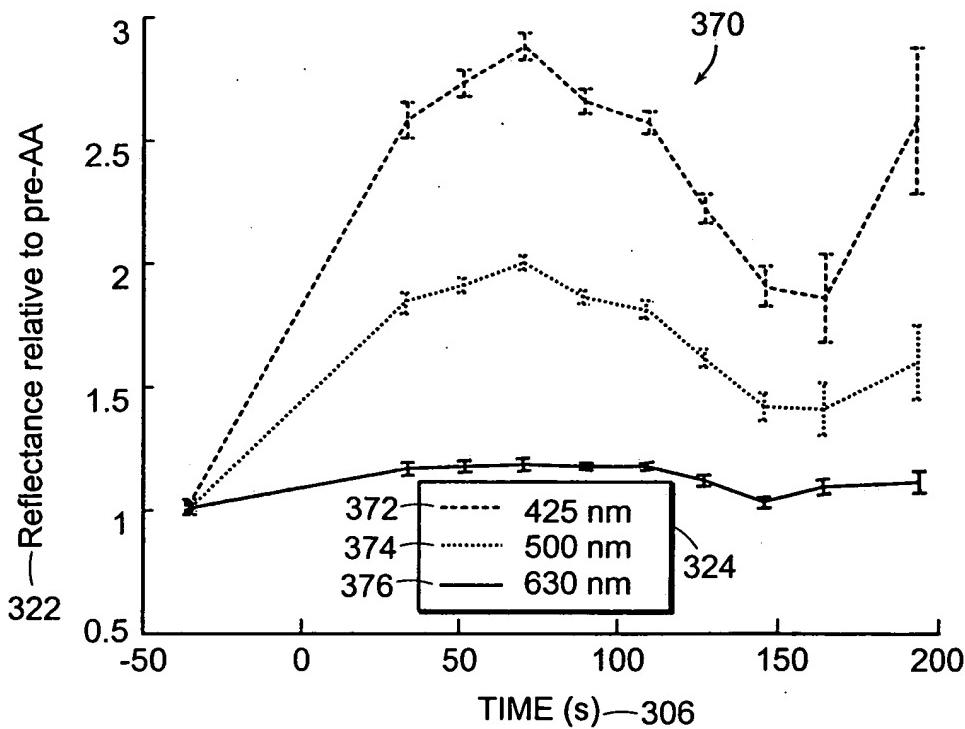


FIG. 3D

7/17

Title: Optimal Windows for Obtaining Optical Data to Characterize Tissue Samples  
Characterization of Tissue Samples  
Inventors: Schomacker et al.  
Serial No.: Not yet assigned Filed: 4/21/04  
Attorney Docket No. MDS-034DV (621931)  
Atty: William R. Haulbrook, Ph.D.  
Sheet 7 of 17

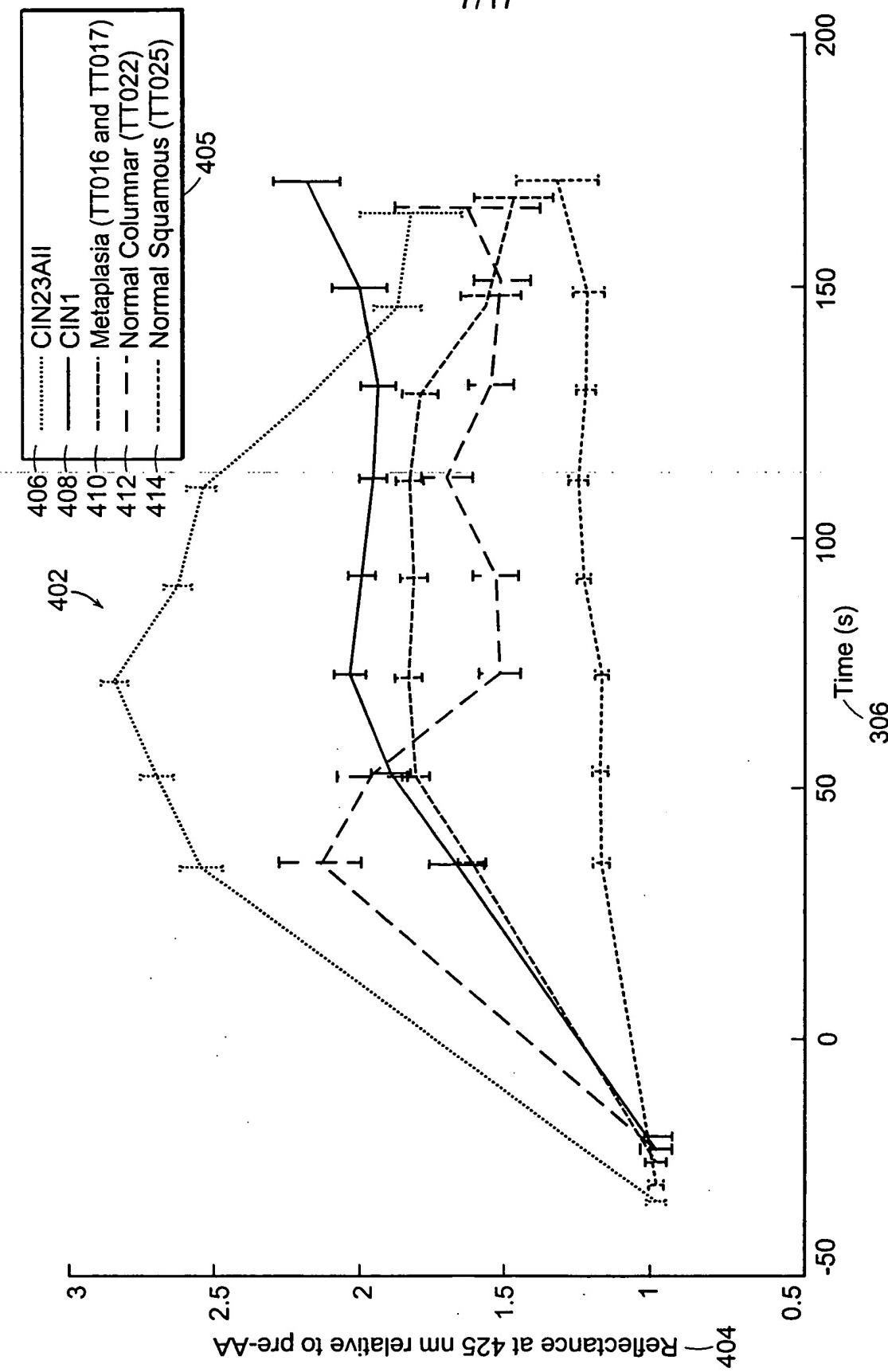


FIG. 4A

8/17

Express Mail Mailing  
Label No. EL988705276US

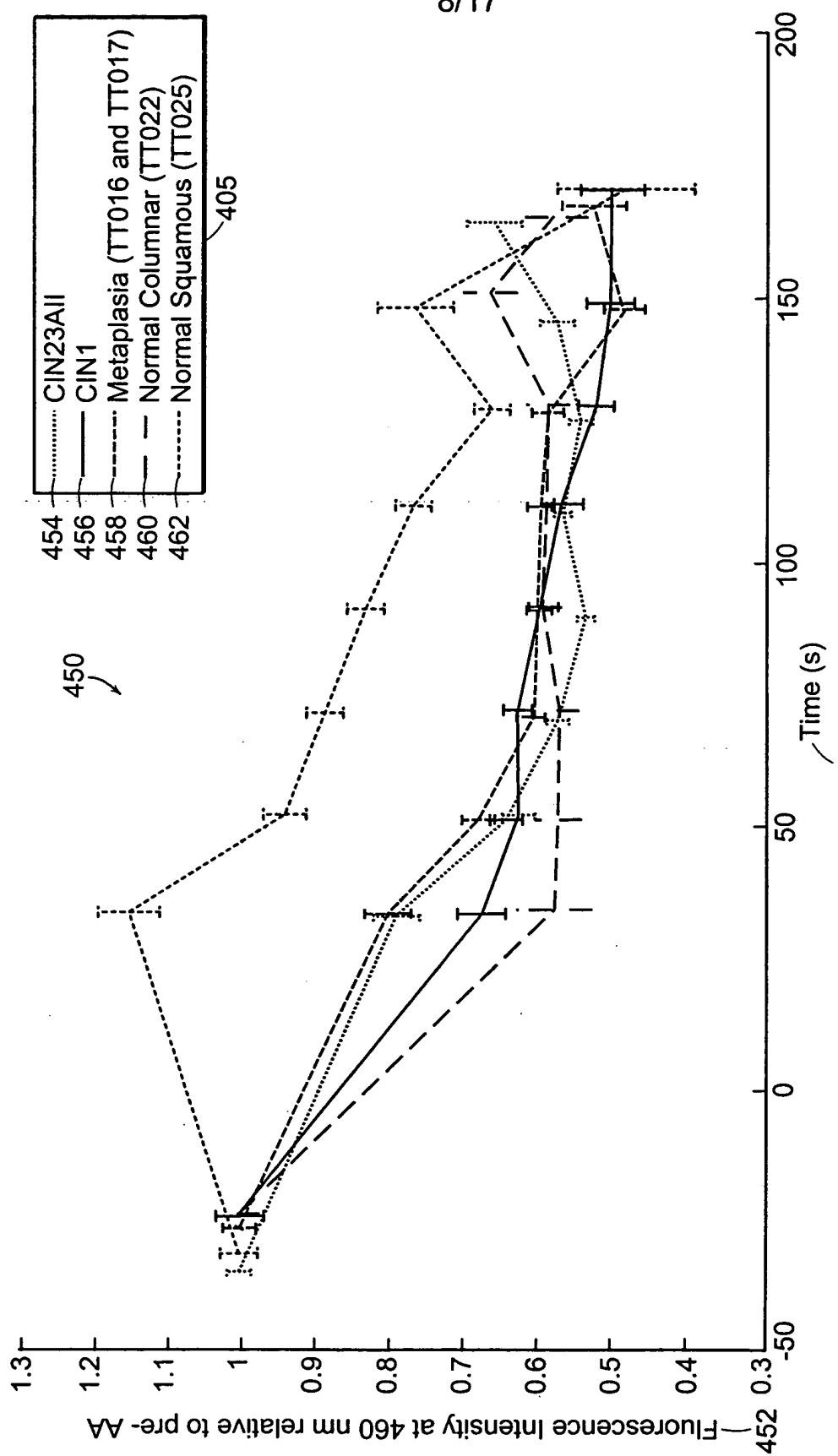
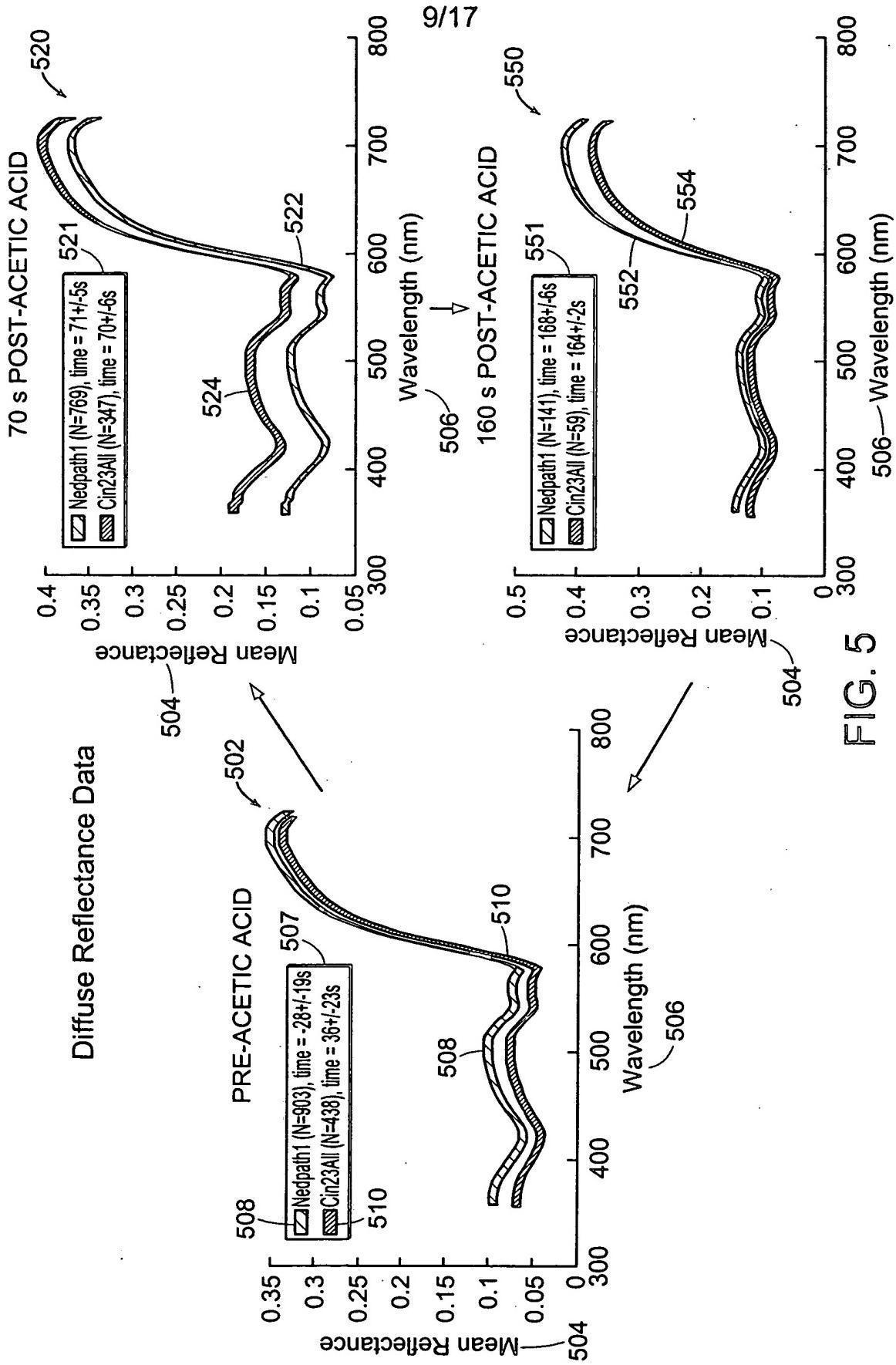


FIG. 4B

Title: Characterization of Tissue Samples  
 Inventors: Schomacker et al.  
 Serial No.: Not yet assigned Filed: 4/21/04  
 Attorney Docket No. MDS-034DV (6219/31)  
 Atty: William R. Haulbrook, Ph.D.  
 Sheet 9 of 17  
 Express Mail Mailing Label No. EL988705276US



**FIG. 5**

10/17

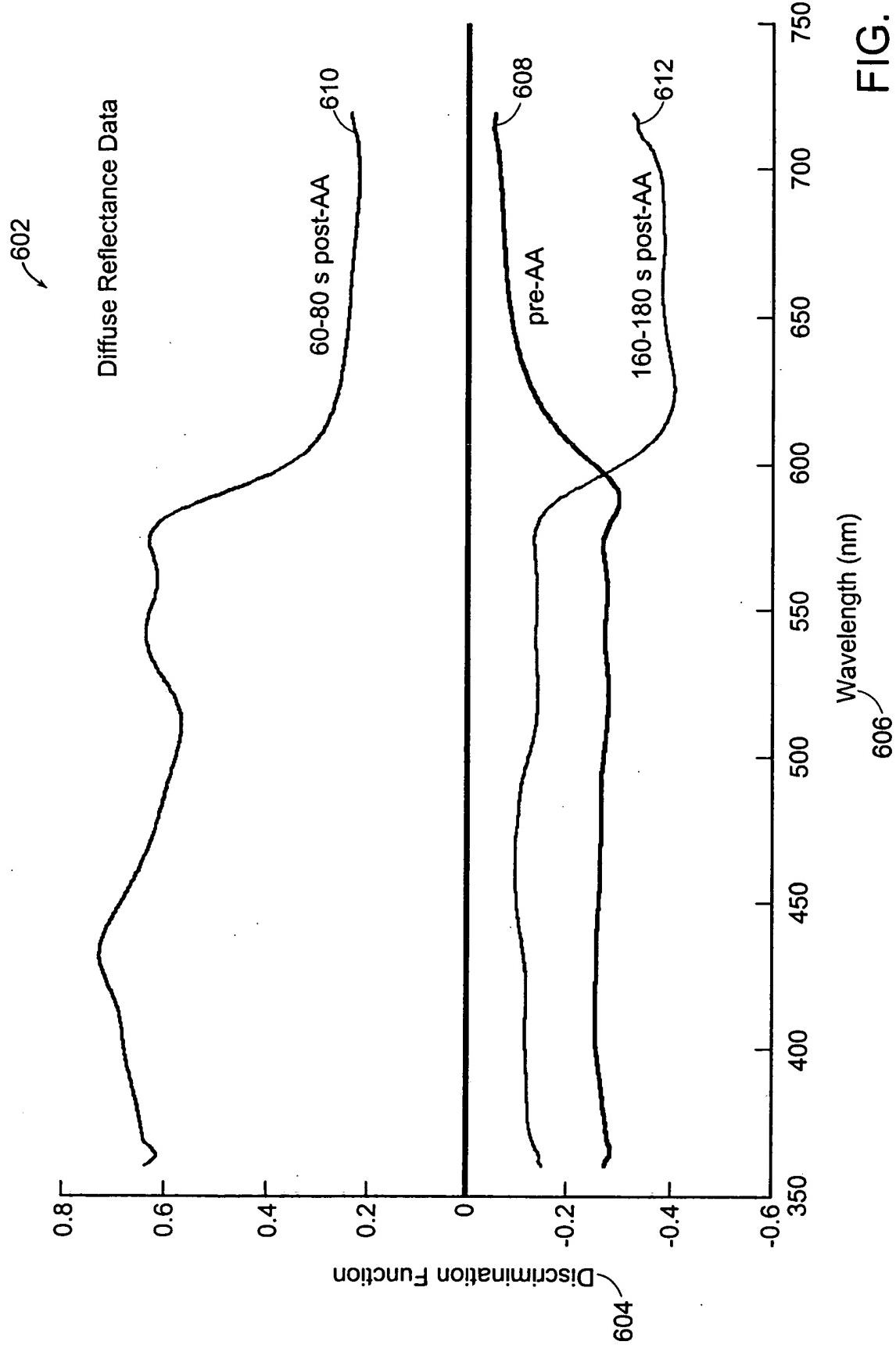


FIG. 6

11/17

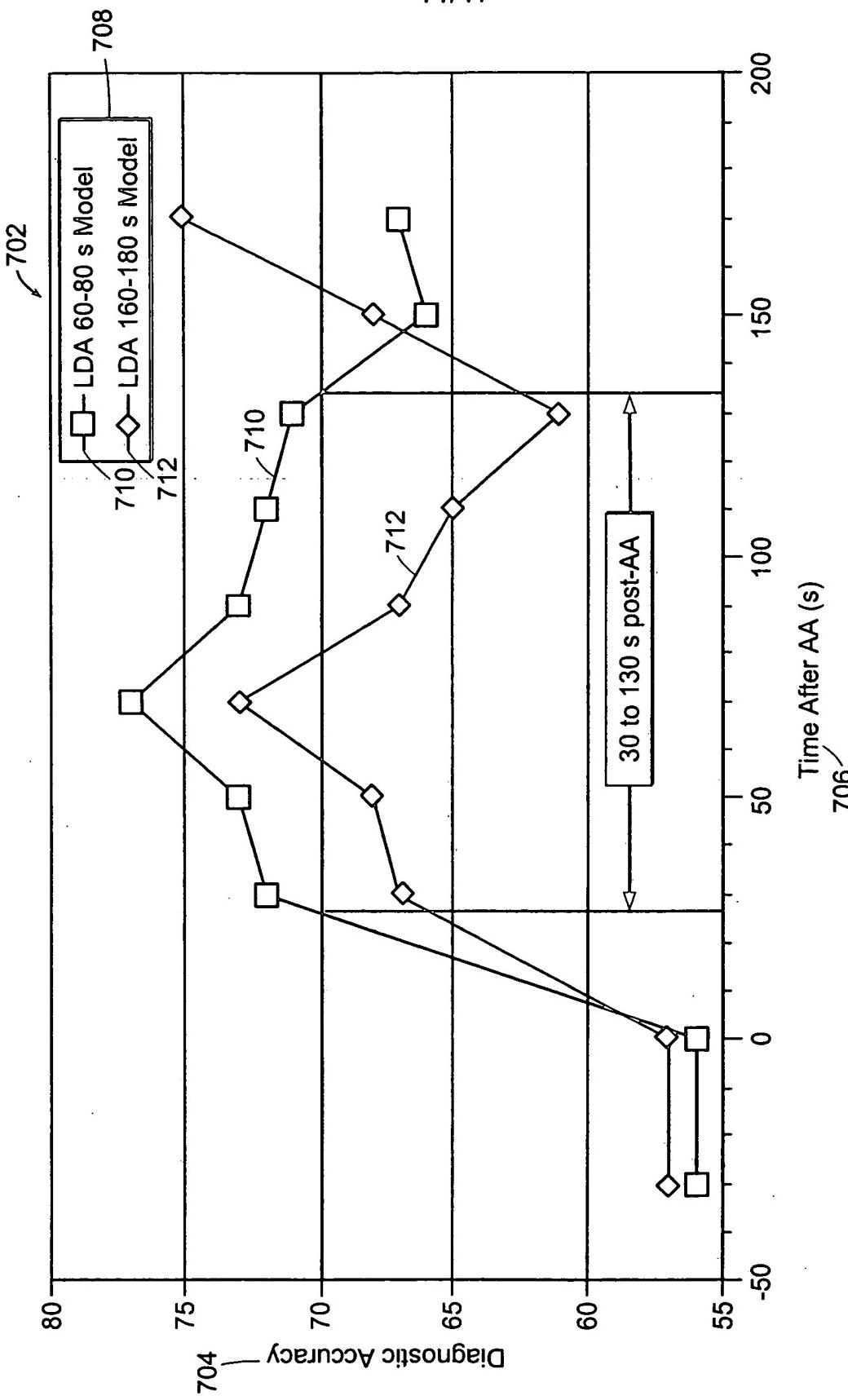


FIG. 7

Title: Optimal Windows for Obtaining Optical Data for Characterization of Tissue Samples  
Inventors: Schomacker et al.  
Serial No.: Not yet assigned Filed: 4/21/04  
Attorney Docket No. MDS-034DV (6219/31)  
Atty: William R. Haulbrook, Ph.D.  
Sheet 11 of 17

Express Mail Mailing  
Label No. EL988705276US

Express Mail Mailing Label No. EL988705276US

### 337-nm Fluorescence Data

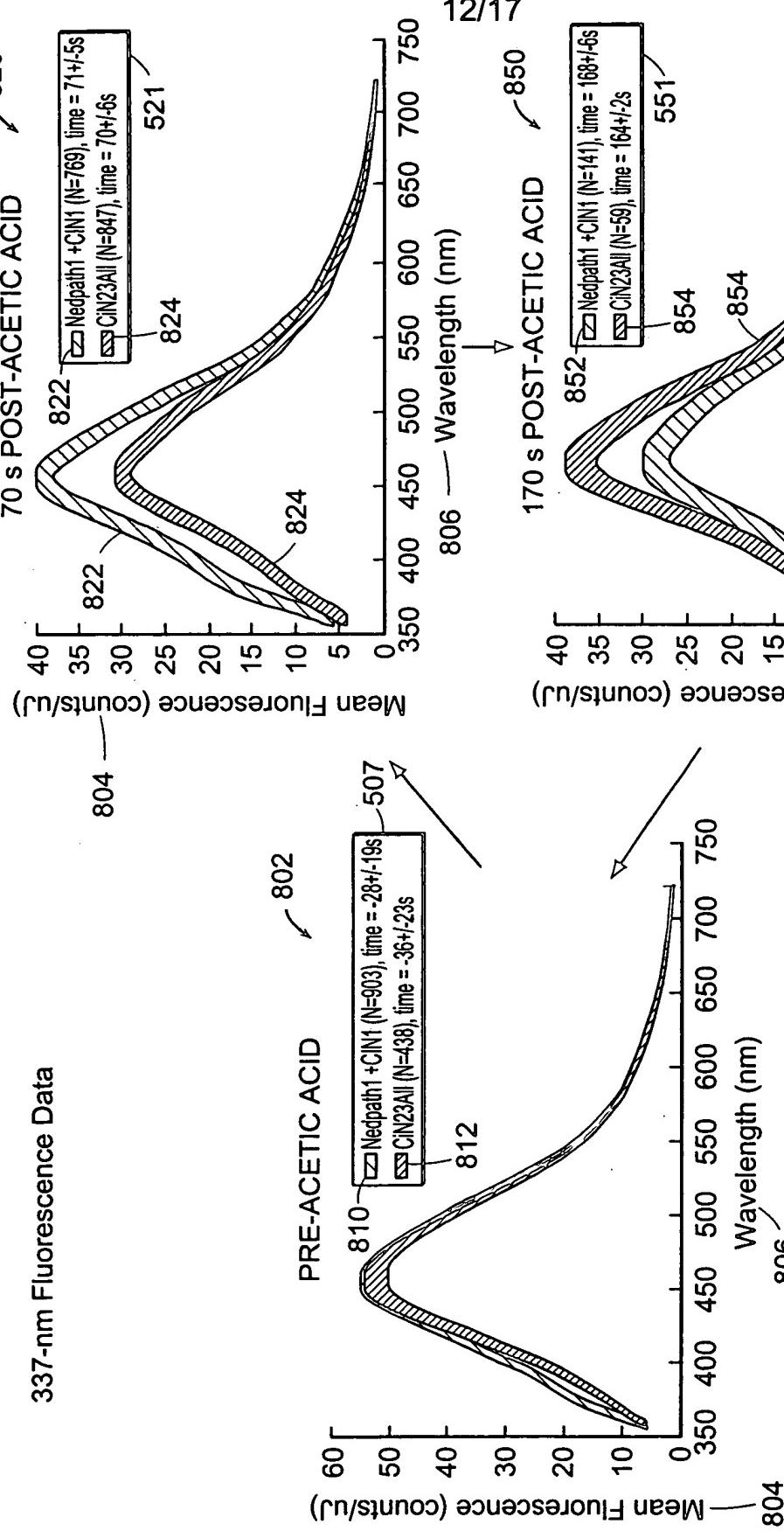
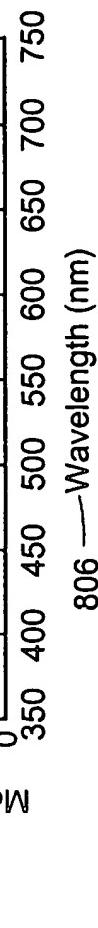


FIG. 8



13/17

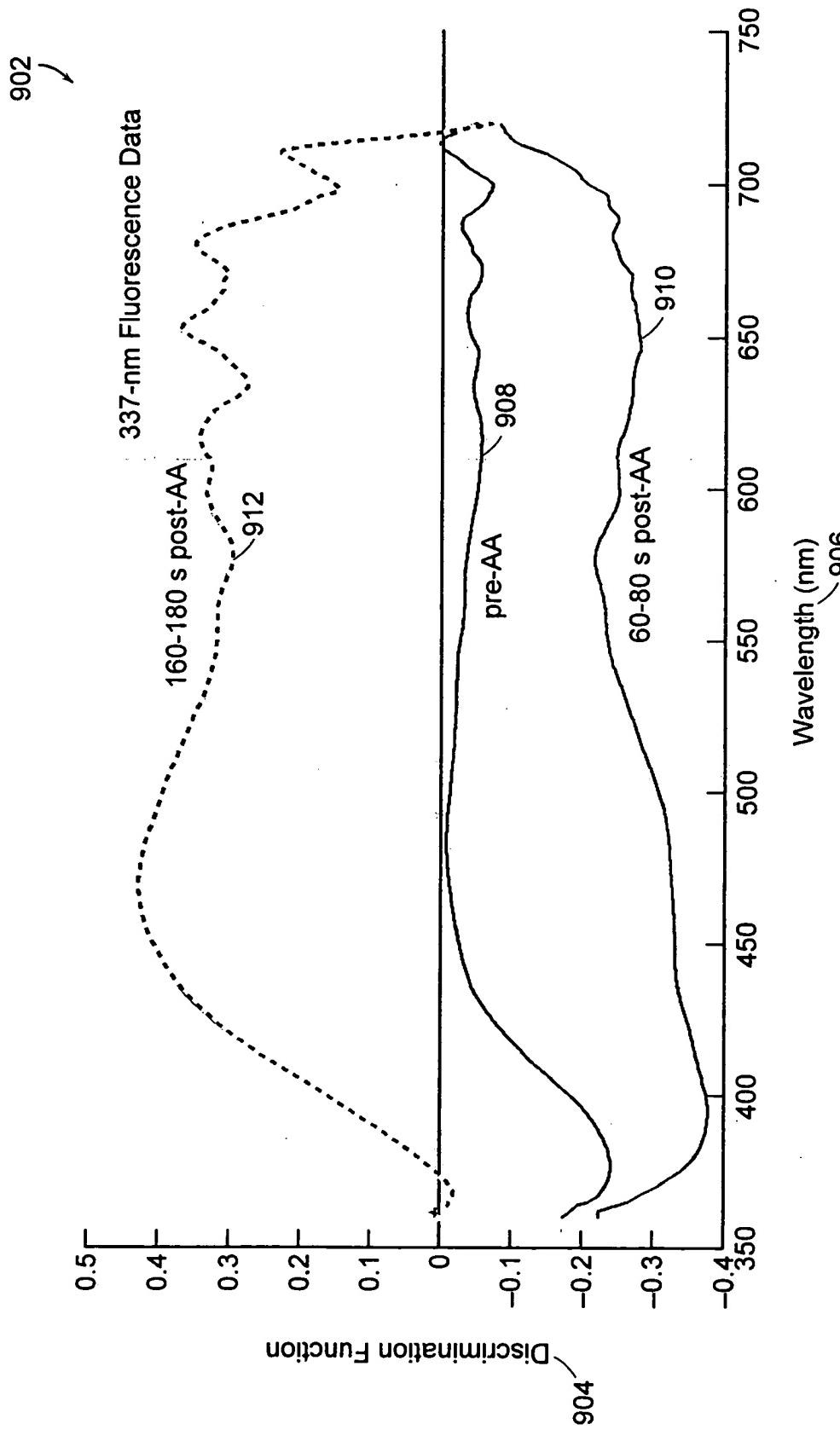


FIG. 9

Title: Optimal windows for obtaining optimal LDA  
 Characterization of Tissue Samples  
 Inventors: Schomacker et al.  
 Serial No.: Not yet assigned Filed: 4/21/04  
 Attorney Docket No. MDS-034DV (621931)  
 Atty: William R. Haulbrook, Ph.D.  
 Sheet 14 of 17

Express Mail Mailing  
 Label No. EL988705276US

for Characterization of Tissue Samples  
 Inventors: Schomacker et al.  
 Serial No.: 10/295,794  
 Atty. Docket No.: MDS-034  
 Atty.: William R. Haulbrook, Ph.D.  
 SHEET 14 OF 17

14/17

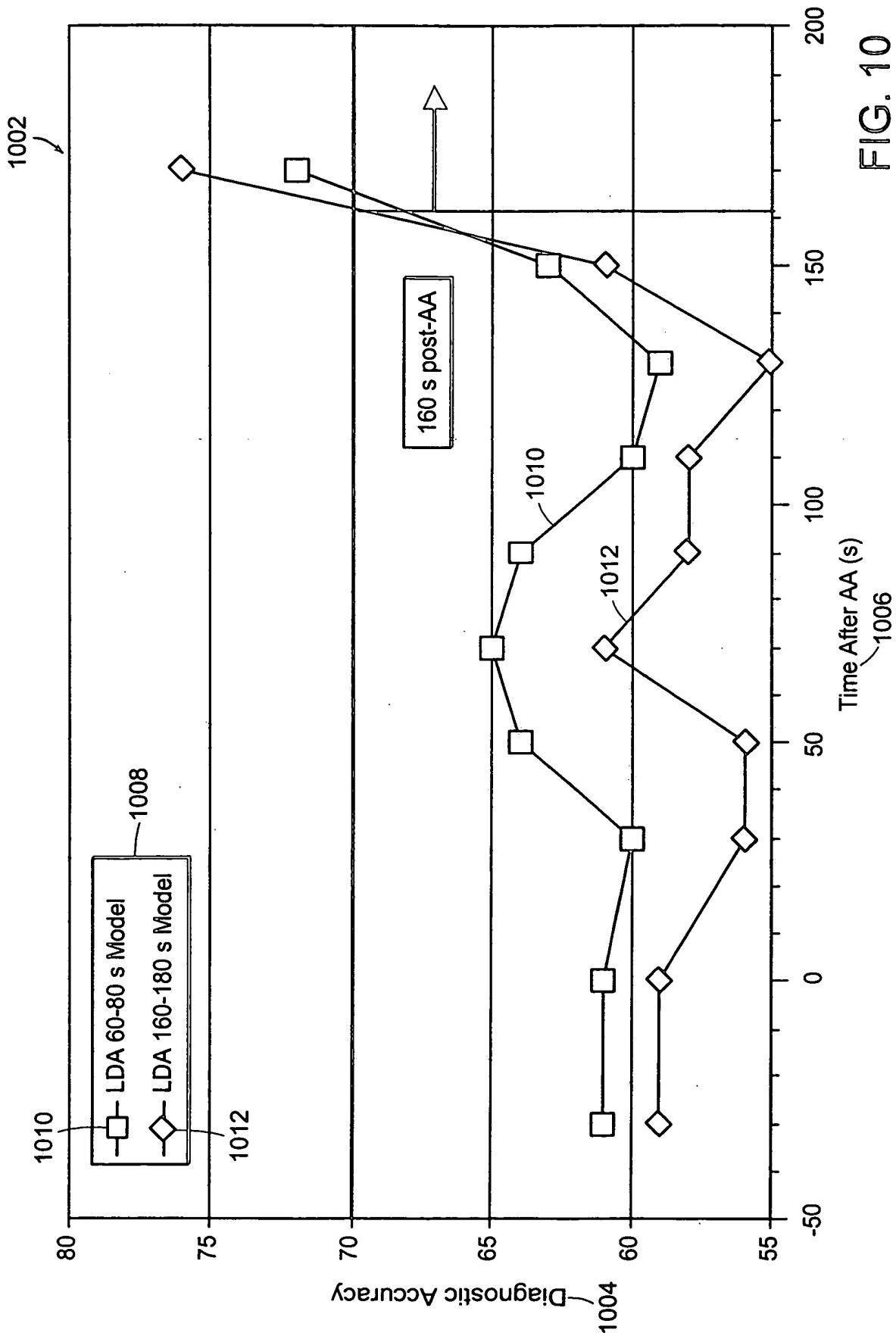


FIG. 10

15/17

Express Mail Mailing  
 Label No. EL988705276US

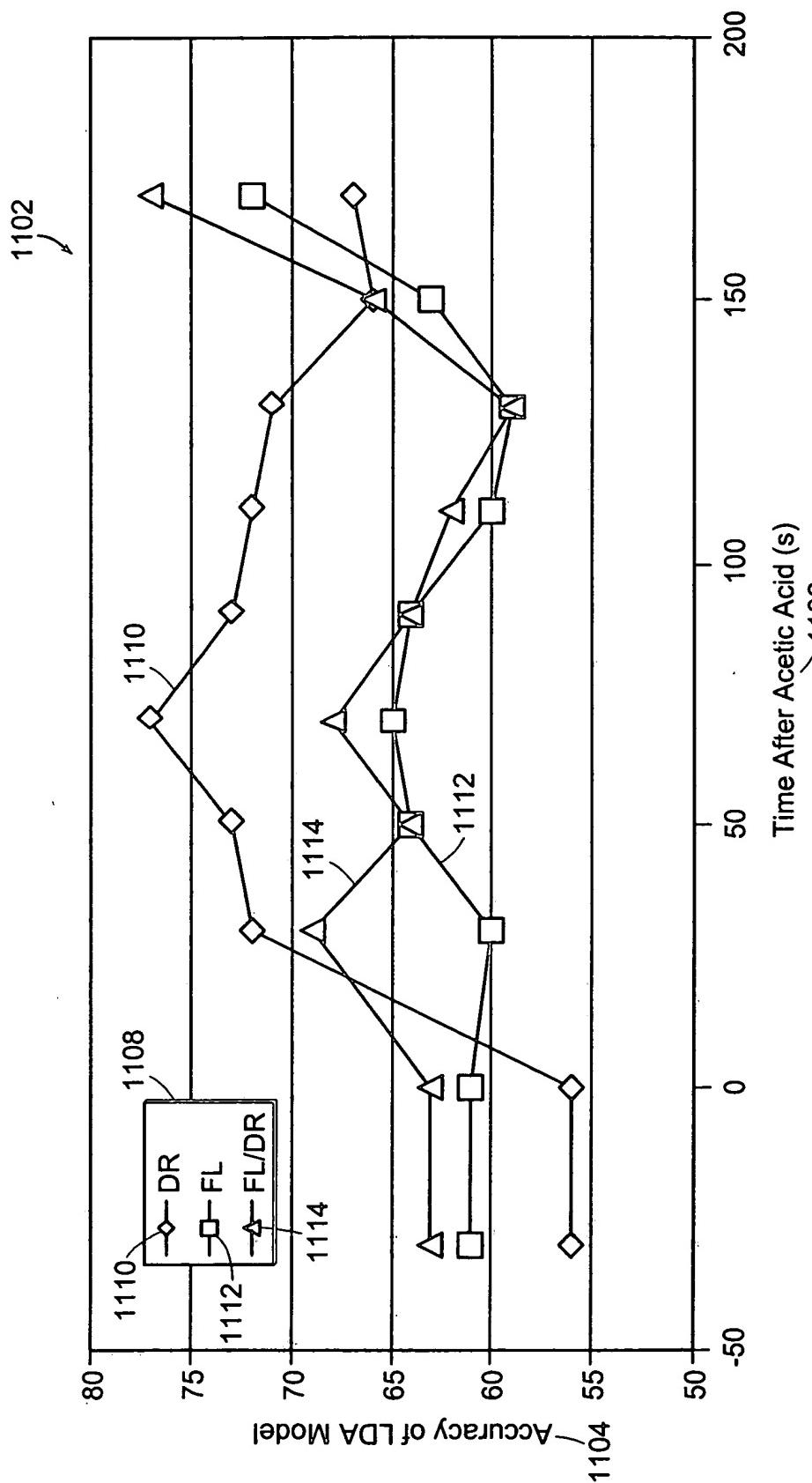


FIG. 11

16/17

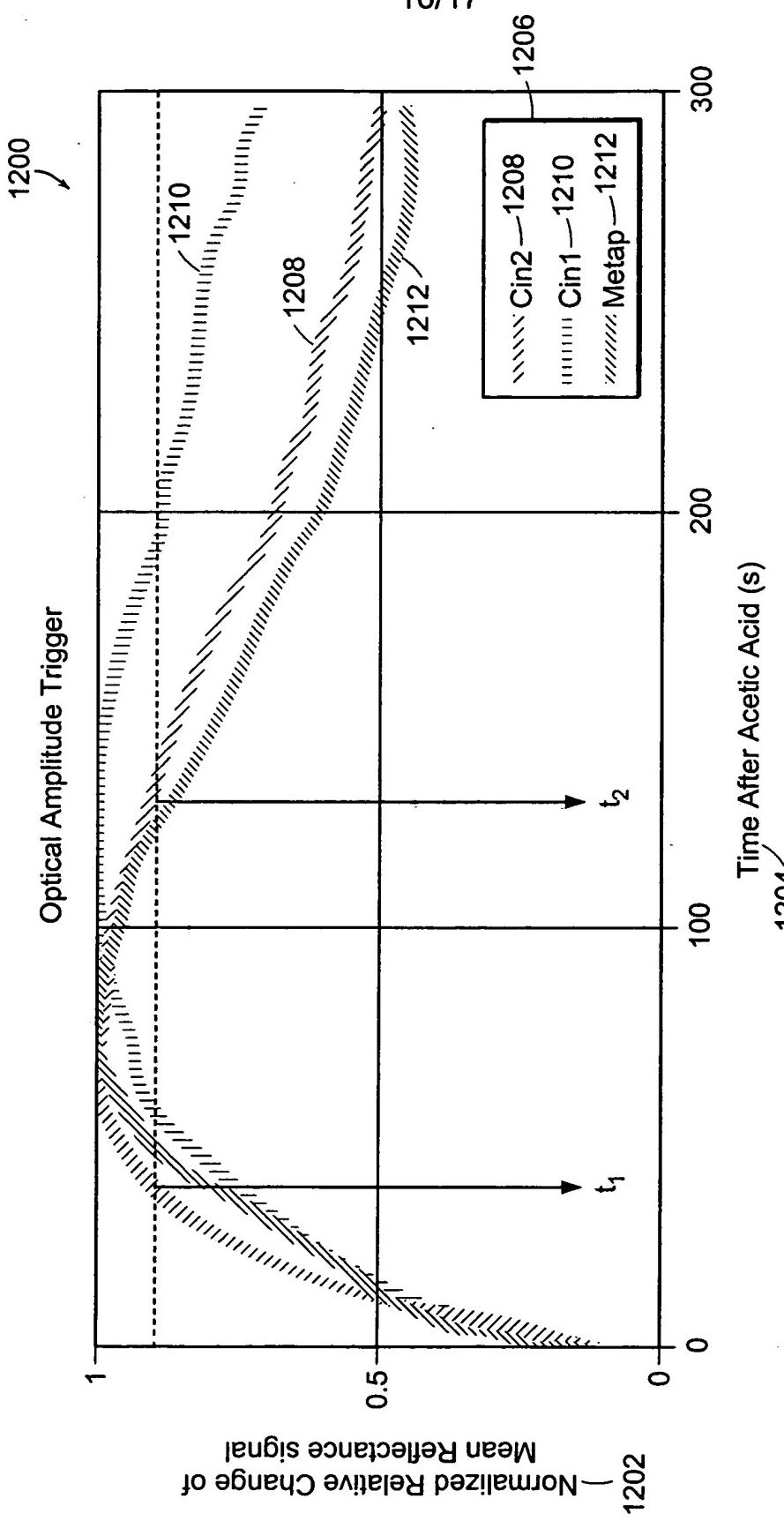


FIG. 12A

Line: Optimal windows for obtaining Optical Data for  
 Characterization of Tissue Samples  
 Inventors: Schomacker et al.  
 Serial No.: Not yet assigned Filed: 4/21/04  
 Attorney Docket No. MDS-034DV (6219/31)  
 Atty: William R. Haulbrook, Ph.D.  
 Sheet 16 of 17

Express Mail Mailing  
 Label No. EL988705276US

17/17

Express Mail Mailing  
 Label No. EL988705276US

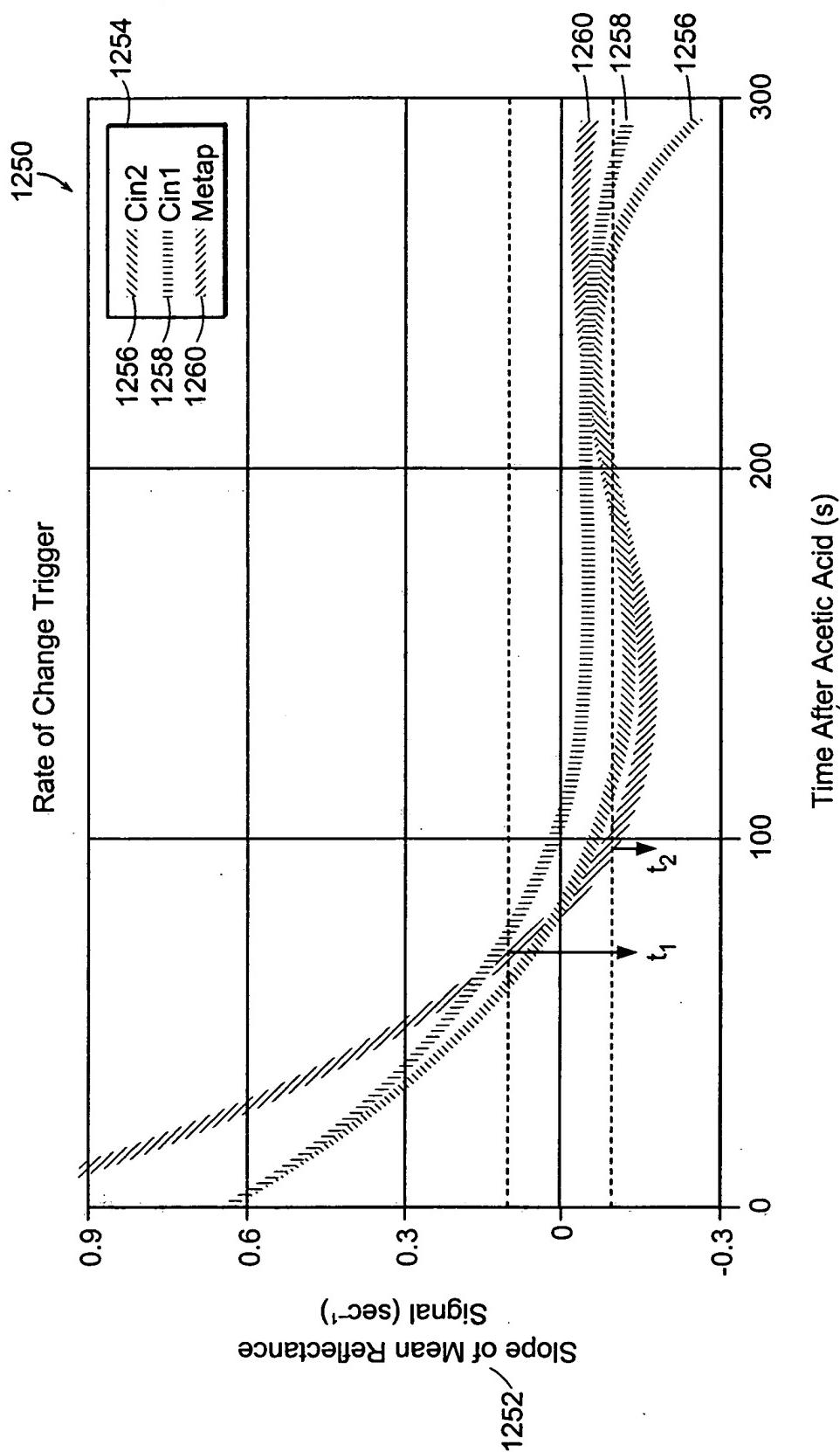


FIG. 12B